

Dr. Krishnan, Sushma

PhD Institution and Year : VIT University, 2013.

Date of Joining IISc : June, 2012

Area(s) of Research : Molecular Biology, Molecular Biophysics, Molecular Ecology

Name of the Post-doctoral Fellowship : Chemical Ecology of North East Region (NER) of India: A collaborative programme linking NER and Bangalore researchers (DBTO0457)

Laboratory where currently working : Prof. Renee M Borges lab

Department : Centre for ecological sciences, IISc

Email address and Telephone number : Sushma@ces.iisc.ernet.in

Topic(s) of Research :

- 1. May, 2016 – Till date: Postdoctoral Fellow**
Research supervisor: **Prof. Renee. M. Borges**
Place of Work: Center for Ecological Sciences, Indian Institute of Science, India
Project: Investigating olfactory receptors using transcriptome & proteome approach to examine chemical dialects between figs and their wasps in geographically separate areas of India.
- 2. 2012 – April, 2016: Postdoctoral Research Associate**
Research supervisor: **Prof. Dipankar Chatterji**
Place of Work: Molecular Biophysics Unit, Indian Institute of Science, India
Project 1: Exploring the R-loop induced stress response in *M. smegmatis*
Project 2: Connecting polyphosphatases in the (p)ppGpp mediated stringent response

Research Publications in IISc :

- 1. Krishnan Sushma, Petchiyappan Anushya, Apoorva Bhatt and Dipankar Chatterji, R-loop induced stress response by a second (p)ppGpp synthetase in *Mycobacterium smegmatis*: Functional and domain interdependence (2016) *Mol Microbiol*, 102, pp. 168**

Other accomplishments and recognition while in IISc :

- ❖ **DBT, DST and CICS** Travel grants to present poster in **Gordon Research Conference**, in Massachusetts, USA on 16-22 July, 2016 (Grant availed from DST and CICS)
- ❖ **DST, DBT** Travel grant to give oral presentation in **RNase H 2014 conference** in Virginia, USA on 7-10 Sep, 2014 (Grants not availed)

What information will be useful to post-docs if it is available on the post-doc page on the IISc Website ? List the items.

1. Issues related to their fellowship arrears and hike
2. Job vacancies

3. Research problems and trouble shooting, similar to research gate
4. Extra-curricular activities
5. Accommodation details

A tweet about your post-doctoral experience in IISc :

“A home away from home” / research with lots of freedom and fun / encouragement and moral support/ world class research exposure/ foreign travels and collaborations / a professional and a friendly niche / carrier support and guidance and much more....# Postdoc at IISc @ MBU & CES.